### **ENVIRONMENTAL CHEMISTS**

### Analysis For Total Metals By EPA Method 200.8

Client ID: M109080 Alaskan Copper Works Client: Project: Metro Self Monitor, PO# M109080 Date Received: 11/16/06 Lab ID: Date Extracted: 11/27/06 611215-01 10x Date Analyzed: 11/27/06 Data File: 611215-01 10x.077 Matrix: Instrument: ICPMS1 Water Units: btb ug/L (ppb) Operator:

Lower Upper Internal Standard: % Recovery: Limit: Limit: Germanium 103 60 125

Concentration
ug/L (ppb)

Chromium 1,960
Nickel 2,460
Copper 1,410
Zinc 76.5

### **ENVIRONMENTAL CHEMISTS**

### Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank Client: Alaskan Copper Works

Date Received: Not Applicable Project: Metro Self Monitor, PO# M109080 Date Extracted: 11/27/06 Lab ID: I6-433 mb 11/27/06 Data File: I6-433 mb.054 Date Analyzed: Instrument: ICPMS1 Matrix: Water

Matrix: Water Instrument: ICPMS
Units: ug/L (ppb) Operator: btb

Lower Upper Internal Standard: % Recovery: Limit: Limit: Germanium 102 60 125

Concentration
Analyte: ug/L (ppb)

 Chromium
 <1</td>

 Nickel
 <1</td>

 Copper
 <1</td>

 Zinc
 <1</td>

### **ENVIRONMENTAL CHEMISTS**

Date of Report: 12/05/06 Date Received: 11/16/06

Project: Metro Self Monitor, PO# M109080, F&BI 611215

# QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS BY EPA METHOD 200.8

Laboratory Code: 611269-01 (Duplicate)

	한테는 하를 되는데도 말했다. 그런 말로			Relative	A MARKET A START	one, the pro-
		Sample	Duplicate	Percent	Acceptar	ice
Analyte	Reporting Uni	ts Result	Result	Difference	Criteri	<u>a</u>
Chromium	ug/L (ppb)	7.02	6.38	10	0-20	
Nickel	ug/L (ppb)	<1	<1	nm	0-20	40.75
Copper	ug/L (ppb)	<1	1.15	nm	0-20	
Zinc	ug/L (ppb)	6.90	<1	nm	0-20	- N. S.

Laboratory Code: 611269-01 (Matrix Spike)

	당 10 조건 유리 이 당황이	어디에 가는 사람들이 가			Percent		
100			Spike	Sample	Recovery	Acceptance	
9 5	Analyte	Reporting Units	Level	Result	MS	Criteria	
	Chromium	ug/L (ppb)	20	7.02	143 b	50-150	
	Nickel	ug/L (ppb)	20	<1	106	50-150	
	Copper	ug/L (ppb)	20	<1	107	50-150	
	Zinc	ug/L (ppb)	50	6.90	108	50-150	

Laboratory Code: Laboratory Control Sample

				Percen	t land	
	Lavalle at P		Spike	Recover	ry Acceptanc	е
	Analyte	Reporting Units	Level	LCS	Criteria	
3	Chromium	ug/L (ppb)	20	105	70-130	- 47
	Nickel	ug/L (ppb)	20	103	70-130	
	Copper	ug/L (ppb)	20	104	70-130	
	Zinc	ug/L (ppb)	50	109	70-130	

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

### **ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

December 5, 2006

### **DUPLICATE COPY**

### **INVOICE # 06ACU1205-2**

Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M109080, F&BI 611215 - Results of testing requested by Gerry Thompson for material submitted on November 16, 2006.

া sample analyzed for Total	Chromium, Coppe	r, Nickel and Zino	이 시민은 기업을 하나 살았다.
by Method 200.8 @ \$80 per	sample		\$ 80.00
Amount Due		artifer article and fine	\$ 80.00

FEDERAL TAX ID #(b) (6)

611215			SAM	PLE CHAI	IN OF C	JST	'OD	Y		ME	-	11-	16	. 0	6				A	ITS	
Send Report To Snows  Company Alaskan (	1110		[	SAMPLERS (	signature)				-			**************************************	100 mm					of _			
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City, State, ZIP			134	REMARKS											Disp	ose at	fter 30	) days	AL		
Phone # 2016-382-83	99Fax#206	-382-8	438												SAMPLE DISPOSAL Dispose after 30 days Return samples Will call with instructions  PED  Notes						
									A	NA	LYSI	CS R	EQU	EST	ED						
Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	On Ca 152			·			No	tes		
M 109080	01	1/16	2:03	120	1							7									
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Seattle, WA 98119-2029	Received by:	m/ a				an	<del>-</del> ∪				-	Fr	BI		****		11/16	106	4	<u>и</u>	
Ph. (206) 285-8282	Relinquished b	y: V	· · · · · · · · · · · · · · · · · · ·								<b></b>	<u> </u>	<b>=_</b>			_					
Fax (206) 283-5044	Received by:		:										<u>.</u>								

FORMS\COC\COC.DOC

Samples received at 18 °C

### **ENVIRONMENTAL CHEMISTS**

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

December 5, 2006

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on November 16, 2006 from the Metro Self Monitor, PO# M109080, F&BI 611215 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures ACU1205R